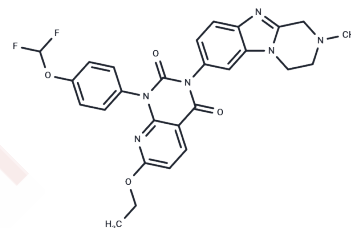


## MAT2A-IN-10

## Chemical Properties

CAS No. :	2924825-23-8
Formula:	C <sub>27</sub> H <sub>24</sub> F <sub>2</sub> N <sub>6</sub> O <sub>4</sub>
Molecular Weight:	534.51
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MAT2A-IN-10 (Compound 28), an orally active inhibitor of MAT2A, exhibits an IC <sub>50</sub> of 26 nM and is utilized in cancer research [1].
Targets(IC <sub>50</sub> )	Methionine Adenosyltransferase (MAT)
In vitro	MAT2A-IN-10 (Compound 28; 0.1 nM-10 μM; 4 days) inhibits the proliferation of HCT-116 (MTAP <sup>-/-</sup> ) cells with an IC <sub>50</sub> of 75 ± 5 nM, without affecting HCT-116 (WT) cells [1].
In vivo	MAT2A-IN-10 (Compound 28; orally administered once daily for 6 days) induced tumor regression in the HCT-116 (MTAP <sup>-/-</sup> ) mouse xenograft model [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8709 mL	9.3544 mL	18.7087 mL
5 mM	0.3742 mL	1.8709 mL	3.7417 mL
10 mM	0.1871 mL	0.9354 mL	1.8709 mL
50 mM	0.0374 mL	0.1871 mL	0.3742 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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